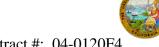
#### DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES Office of Structural Materials Quality Assurance and Source Inspection

Bay Area Branch 690 Walnut Ave.St. 150 Vallejo, CA 94592-1133 (707) 649-5453 (707) 649-5493



Contract #: 04-0120F4

Cty: SF/ALA Rte: 80 PM: 13.2/13.9

File #: 69.28

# WELDING INSPECTION REPORT

Resident Engineer: Pursell, Gary **Report No:** WIR-004231 Address: 333 Burma Road **Date Inspected:** 07-Oct-2008

City: Oakland, CA 94607

**OSM Arrival Time:** 1430 **Project Name:** SAS Superstructure **OSM Departure Time:** 2030 **Prime Contractor:** American Bridge/Fluor Enterprises, a JV

Contractor: Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

**CWI Name: CWI Present:** Yes N/A No **Inspected CWI report:** Yes N/A **Rod Oven in Use:** Yes No No N/A Yes N/A **Electrode to specification:** No **Weld Procedures Followed:** Yes No N/A N/A **Qualified Welders:** Yes No **Verified Joint Fit-up:** Yes No N/A N/A Yes No N/A **Approved Drawings:** Yes No **Approved WPS:** Yes No N/A **Delayed / Cancelled:** 

**Bridge No:** 34-0006 **Component:** OBG/Tower

### **Summary of Items Observed:**

Caltrans Quality Assurance (QA) Inspector, Erik Prue was present to perform Ultrasonic Testing (UT) of Orthotropic Box Girder (OBG) components, for the San Francisco Oakland Bay Self Anchored Suspension Bridge, at Zhenhua Port Machinery Company (ZPMC) facility on Changxing Island.

OBG Assembly Bay # 2: This Quality Assurance (QA) inspector arrived at ZPMC in Shanghai China for observation of Orthotropic Bridge Girders (OBG) and Self Anchored Suspension (SAS) Bridge. This QA inspector received notification from day shift task leader to perform conventional Ultrasonic (A scan) Inspection for tack welds on deck panels. The inspection is preliminary prior to using the phased array system to verify indications found with conventional Ultrasonic testing. This QA inspector performed UT on deck panel DP137-001, 4 ribs, 8 welds, 208 total tack welds. QA Inspector completed inspection on welds 1 through 4. Information on weld inspection was turned over to day shift to finsh weld inspection for welds 5 through 8.

Tower Bay 1: QA Inspector performed random visual inspection of SSDI Skin "A" stiffener to skin plate welds between elevation 0 and 38 meters for green tag. QA Inspector identified seven areas that require rework/repair. The welds between elevation 38 meters and 48.6 meters will be inspected by the third shift QA Inspectors. ABF representative Mr. Don Walton informed the QA Inspector that several of the weld relief areas at approximately 30 meter elevation require welding that will take place tomorrow.

No other activities observed.

## **Summary of Conversations:**

# WELDING INSPECTION REPORT

(Continued Page 2 of 2)

No signifigant conversations this day.



#### **Comments**

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Peter Dauterman, 15002199593, who represents the Office of Structural Materials for your project.

Inspected By:	Prue,Erik	Quality Assurance Inspector
Reviewed By:	Carreon, Albert	QA Reviewer